Burrillville Interconnection Project

Energy Facility Siting Board
Preliminary Hearing
May 23, 2017
AGENDA

- Introduction
- Project Need
- Project Overview
- Estimated Costs
- Permits and Approvals
- Schedule
The Burrillville Interconnection Project (Project) is the construction of a new 345 kV transmission line between the proposed Clear River Energy Center (CREC) and the Sherman Road Switching Station.
INTRODUCTION

- Project is a joint application by The Narragansett Electric Company d/b/a National Grid (TNEC) and Clear River Energy LLC for a new transmission line in support of the CREC
- Project is located in Burrillville, Rhode Island
- New 6.8 mile 345 kV transmission line - 3052 Line
  - 6.0 miles – existing TNEC right of way (ROW)
  - 0.8 mile – new CREC ROW
- Realignment of 1.6 miles of the existing 341 and 347 Lines
- Realignment of 250 feet of the existing 328 Line
- Improvements within the Sherman Road Switching Station
The Project is a result of TNEC’s obligation to connect the CREC to the electric grid

Point of interconnection was determined by ISO-NE

Clear River Energy LLC is responsible for all costs for the engineering, permitting, construction, and operation of the facilities.
OVERVIEW – Line Configuration

Dimensions are as labeled. Not shown to scale.
OVERVIEW – CREC ROW
Segment 1 – Cross Section

View Southeast towards CREC
OVERVIEW – Existing ROW
Segment 2 – Cross Section

View Facing Southwest
OVERVIEW – Existing ROW
Segment 2 - Rendering

View Southwest from Buck Hill Road
OVERVIEW – Existing ROW
Segment 3 – Cross Section

View Facing Southwest
OVERVIEW – Existing ROW
Segment 3 - Rendering

View Northeast from Round Top Road
## ESTIMATED COSTS

<table>
<thead>
<tr>
<th>Project Components</th>
<th>Estimated Costs ($M)</th>
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</thead>
<tbody>
<tr>
<td>Transmission Line Facilities(^1)</td>
<td>$41.0</td>
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<tr>
<td>Sherman Road Switching Station</td>
<td>$6.2</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$47.2</strong></td>
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\(^1\) Includes all work proposed on the new 3052 Line, and the existing 347, 341, and 328 Lines.
PERMITS AND APPROVALS

- RI Energy Facility Siting Board
- US Army Corps of Engineers – Section 404 Permit
- RI Department of Environmental Management – Freshwater Wetlands Permit, 401 Water Quality Certification, RIPDES
- RI Department of Transportation
- Local Permits (advisory opinions):
  - Dimensional Variance – Height (ZBR)
  - Construction Work Hours (ZBR)
  - Soil Erosion and Sediment Control (Building Official)
<table>
<thead>
<tr>
<th>Activity</th>
<th>Estimated Start Date</th>
<th>Estimated Completion</th>
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<tbody>
<tr>
<td>Planning and Engineering</td>
<td>Fall 2016</td>
<td>Winter 2016/2017</td>
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<tr>
<td>Permitting and Licensing</td>
<td>Winter 2016/2017</td>
<td>Winter 2017/2018</td>
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<tr>
<td>Construction</td>
<td>Spring 2018</td>
<td>Winter 2018/2019</td>
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<tr>
<td>Facilities In-Service</td>
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<td>Summer 2019</td>
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